



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SOYBEAN PLANTING ADVANCES

Warm weather throughout the week allowed soybean producers to make significant planting progress, according to the USDA, NASS, Minnesota Field Office. As of May 23, soybean planting advanced 34 percentage points to 81 percent complete, compared to 72 percent last year and 64 percent for the five-year average. Other crops nearing planting completion included canola, potatoes, and green peas. All three crops were 93 percent planted or greater.

Temperatures reached the highest levels so far this year, and highs were approximately 5° above normal during the reporting period. Scattered precipitation affected the central and southern areas of the state but produced no significant accumulation. Statewide, 5.5 days were rated suitable for fieldwork. Topsoil moisture supplies were rated 94 percent adequate to surplus, unchanged from the previous reporting period.

Corn was 78 percent emerged, 11 points ahead of last year and 21 points ahead of average, with 87 percent of the crop rated in good to excellent condition. Spring wheat and barley jointing advanced to 14 and 10 percent respectively. Both crops were rated 93 percent in good to excellent condition.

Alfalfa first cutting was 22 percent complete, 19 points ahead of last year and average. Alfalfa condition was rated 2 percent poor, 11 percent fair, 68 percent good, and 19 percent excellent. Pasture and range condition was rated 3 percent poor, 20 percent fair, 63 percent good, and 14 percent excellent.

Days Suitable for Fieldwork: 5.5

	Very Short	Short	Adequate	Surplus
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	Percent			
Topsoil Moisture	0	6	87	7

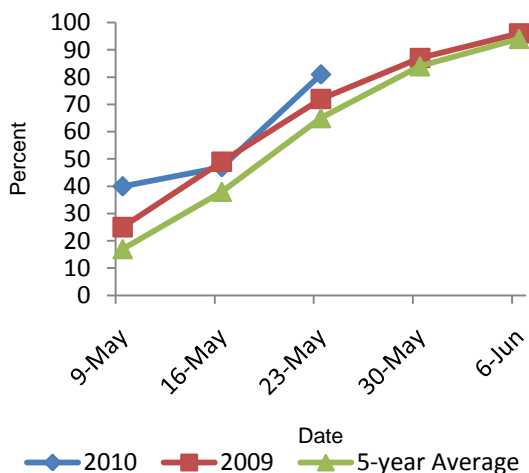
Crop Progress as of May 23, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		-----	-----	-----	-----
		Percent			
Corn	Planted	99	95	95	93
Corn	Emerged	78	52	67	57
Soybeans	Land Prepared	91	71	80	84
Soybeans	Planted	81	47	72	64
Soybeans	Emerged	23	5	18	16
Spring Wheat	Emerged	98	95	23	62
Spring Wheat	Jointing	14	4	2	1
Barley	Emerged	98	93	27	61
Barley	Jointing	10	4	0	1
Oats	Emerged	99	94	72	77
Oats	Jointing	19	7	3	4
Potatoes	Planted	93	78	85	88
Green Peas	Planted	96	89	91	79
Sunflowers	Planted	63	32	18	49
Canola	Planted	98	92	61	65
Dry Beans	Planted	50	5	36	45
Sweet Corn	Planted	46	38	53	44
Alfalfa	First Cutting	22	5	3	3

Condition as of May 23, 2010

	Very Poor	Poor	Fair	Good	Exc
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	Percent				
Pasture	0	3	20	63	14
Oats	0	0	9	72	19
Spring Wheat	0	1	6	61	32
Barley	0	1	6	50	43
Sugarbeets	0	2	12	79	7
Corn	0	1	12	73	14
Alfalfa	0	2	11	68	19
Potatoes	0	1	9	81	9

Soybeans Planted



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

U.S. Drought Monitor:
<http://drought.unl.edu/dm/monitor.html>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING MAY 23, 2010:
Temperatures averaged from 2.6 degrees above normal in the South Central District to 9.1 degrees above normal in the Northwest District. Extremes: 33 degrees in Hibbing, Pipestone; 88 degrees was recorded at the Mpls. Airport. Average precipitation ranged from 0.83 inch below normal in the South Central District to 0.67 inch above normal in the Northeast District. Greatest weekly total of 3.93 inches was recorded in Duluth.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 5/17/2010 through 5/23/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	54	68.5	10.3	.43	-.16	1.10	.47	260	19
Itasca	81	42	61.2	6.9	.14	-.53	.86	.49	195	20
Moorhead	83	51	67.9	8.8	.10	-.53	1.27	.71	255	-2
Warroad	82	47	65.4	10.5	.26	-.32	.94	.34	218	36
<u>NC DIST 2</u>										
Grand Rapids	87	40	63.2	7.3	.30	-.39	.64	-.44	232	27
Intl. Falls	85	38	61.2	6.2	0	-.62	.48	-.44	213	23
<u>NE DIST 3</u>										
Duluth	79	42	60.8	7.4	3.93	3.23	3.56	2.36	172	11
Grand Marais	69	41	50.8	2.7	0	-.61	.14	-.78	62	-32
Hibbing	84	33	59.8	5.4	0	-.62	.35	-.39	228	50
<u>WC DIST 4</u>										
Alexandria	81	46	64.1	6.1	.35	-.37	.21	-.51	204	-35
Browns Valley	80	44	61.8	1.9	.23	-.32	.70	-.09	193	-82
Canby	84	43	63.0	2.3	.74	.06	.13	-1.15	232	-52
Dalton	79	50	65.7	6.9	.22	-.42	.19	.01	212	-40
Montevideo	82	46	63.2	3.3	.60	-.14	.01	-1.27	228	-40
Morris	81	49	65.0	5.4	.60	-.07	.34	.08	208	-60
Wheaton	81	50	65.1	5.8	.32	-.27	.20	-.23	213	-44
<u>CENT DIST 5</u>										
Becker	83	42	63.5	4.9	.14	-.67	-.12	-.56	228	-27
Collegeville	84	45	65.6	4.9	.05	-.79	-.22	-.58	252	-39
Hutchinson	81	43	62.7	2.2	.51	-.22	.78	3.19	250	-32
Melrose	79	42	62.0	3.0	.09	-.68	.07	-.40	210	-42
Olivia	82	47	63.5	3.5	.69	-.03	.72	-.67	238	-35
St. Cloud	85	38	64.0	5.8	.09	-.61	-.12	-.66	248	5
Staples	81	39	64.1	7.5	.42	-.30	.86	-.50	220	0
Wadena	80	43	61.2	4.7	.40	-.32	.85	-.10	185	-30
Willmar	83	47	64.8	5.0	.30	-.47	.07	1.49	229	-40
<u>EC DIST 6</u>										
Aitkin	82	40	60.6	5.3	.08	-.65	1.50	.37	208	11
Forest Lake	84	48	64.8	5.5	.19	-.62	.24	.09	264	-1
Hinckley	81	38	59.4	3.6	.02	-.77	.57	.10	202	1
MSP Airport	88	50	67.6	6.7	.14	-.62	-.52	-.08	282	-10
St. Paul - UofM	82	47	64.3	3.9	.20	-.68	-1.06	-1.28	238	-47
<u>SW DIST 7</u>										
Lamberton	83	45	63.4	2.7	.20	-.55	-.32	-.57	250	-35
Marshall	85	47	64.6	3.9	.54	-.19	.50	-.59	256	-28
Pipestone	85	33	61.6	2.3	.11	-.67	.66	.30	226	-38
Redwood Falls	86	48	66.6	4.6	.78	.06	.61	-.06	275	-36
Worthington	87	43	62.1	3.2	.01	-.77	-.39	-.61	228	-23
<u>SC DIST 8</u>										
Faribault	81	40	60.6	1.6	.09	-.78	-.77	-1.99	270	15
Mankato	84	42	62.0	1.8	.01	-.82	-.53	-1.73	254	-26
Waseca	82	48	64.0	3.9	.02	-.89	-1.31	-2.23	256	-20
Winnebago	86	46	63.5	3.1	.07	-.85	-1.20	-2.24	272	-14
<u>SE DIST 9</u>										
Preston	79	37	59.8	1.6	.10	-.80	1.32	.19	260	19
Red Wing	81	45	62.2	2.1	.12	-.69	-1.17	-1.79	257	-20
Rochester	85	48	64.5	6.1	.01	-.79	-.78	-2.25	257	10
Rosemount	81	45	62.5	3.5	.19	-.75	-.42	-1.20	242	-17
Winona	78	46	60.9	.7	.20	-.64	.67	-1.17	223	-54

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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